

**DAMAGE SURVEY REPORT (DSR)**  
**Emergency Watershed Protection Program – Recovery**

**Section 1A**

Date of Report: 10/10/2005

DSR Number: 113-05-05R Project Number: \_\_\_\_\_

**NRCS Entry Only**

Eligible: YES ☒ NO ☐

Approved: YES ☐ NO ☐

Funding Priority Number (from Section 4) \_\_\_\_\_

Limited Resource Area: YES ☐ NO ☐

**Section 1B Sponsor Information**

Sponsor Name: Prairie Gregg Drainage District

Address: 801 South Broadway Street

City/State/Zip: Erath, Louisiana 70533

Telephone Number: (337) 898-1829 Fax: \_\_\_\_\_

**Section 1C Site Location Information**

County: Vermilion State: Louisiana Congressional District: 7

Latitude: SEE BELOW Longitude: See Below Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_

UTM Coordinates: \_\_\_\_\_  
Aureliene  
Downstream 29.87394 92.08122  
Upstream 29.88134 92.08139  
29.8896 92.08139  
Drainage Name: Aurelien Drain & W. Henry Drain Reach: 12,076 ft.  
W. Henry  
Downstream - 29.88289 92.06349  
Upstream - 29.89735 92.06997

Damage Description: Cross-section of channel impaired by storm deposited, vegetative and building debris.

**Section 1D Site Evaluation**

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Recovery measures would be for runoff retardation or soil erosion prevention?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Threat to life and/or property?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event caused a sudden impairment in the watershed?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Imminent threat was created by this event?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For structural repairs, not repaired twice within ten years?***	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Site Defensibility</b>			
Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Proposed action technically viable? (Go to Page 9 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☒ NO ☐

Comments: \_\_\_\_\_

\* Statutory

\*\* Regulation

\*\*\* DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

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### Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A:

*Remove debris from channel, accessing from one side of channel, dispose of in an approved landfill.*

Total installation cost identified in this DSR: Section 3: \$ 73,010.97

### Section 1F NRCS State Office Review and Approval

Reviewed By: \_\_\_\_\_ Date Reviewed: \_\_\_\_\_  
State EWP Program Manager

Approved By: \_\_\_\_\_ Date Approved: \_\_\_\_\_  
State Conservationist

### PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

### USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW., Washington, DC 20250-9410, or call (800)795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

### Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

DSR NO: 113-05-005R

**Section 2 Environmental Evaluation**

2A Resource Concerns	2B Existing Condition	2C Alternatives and Effects		
		Proposed Action	No Action	Alternative
		<b>Remove debris &amp; logs from one side of channel and haul to disposal site</b>	<b>Leave logs and debris in channel</b>	<b>Remove debris &amp; logs and deposit in adjacent floodplain</b>
<b>2D Effects of Alternatives</b>				
<b>Soil</b>				
Bank Erosion	Stable except for exposed soil around uprooted trees on stream bank	Cause temporary increase in bank erosion from removal of root mass and construction activities.	Erosion from root mass will stabilize, but increased upstream flooding will cause additional bank erosion and undercutting	Cause temporary increase in bank erosion from removal of root mass and construction activities on both sides of channel.
Compaction	No compaction	Heavy equipment will cause moderate soil compaction at access points along channel	No compaction	Heavy equipment will cause some soil compaction at access points along channel
<b>Water</b>				
Flooding	Property upstream of debris is subject to damages from flooding after next rainfall event	Upstream flooding will be reduced and damages to property will be minimized.	Property upstream of debris blockage will be subject to damages from next heavy rainfall event	Upstream flooding will be reduced and damages to property will be minimized from heavy rainfall events
Inadequate outlets	Debris is blocking outlets	Outlets will be opened, flooding will be reduced	Debris will accumulate and flooding will increase	Outlets will be opened, and flooding will be reduced
Excessive Sediments and turbidity	Water in stream is brown and turbid. Mod. sediment	Heavy equipment and removal of root mass will cause short term increase in sediment and turbidity.	Sed. and turbidity will increase as result of stream bank erosion and scour damage from flooding	Disturbance and removal of root mass will cause short term increase in sediment and turbidity
<b>Air</b>				
Particulate Matter less than PM 10	No particulate matter is being generated by debris in channel	Slight increase in particulate matter as result of equipment and removal	No change in particulate matter	Slight increase in particulate matter as result of equipment and removal
<b>Plant</b>				
Productivity, Health and Vigor of Riparian Vegetation	Many riparian trees are wind blown. Natural regeneration will occur where the canopy has been opened to sunlight	Some standing and downed trees will be removed for equipment access and hauling. Natural regeneration will restore buffers over time	No trees will be disturbed by removal. Natural regeneration will occur in areas where the canopy has been opened to light	Some standing and downed trees will be removed for equipment access and left near channel. Natural regeneration will restore buffers over time
Productivity, Health and Vigor of Stream Aquatic Vegetation	Aquatic plants are limited to filamentous algae and phytoplankton. Very little rooted submergent or emergent vegetation.	Project will not significantly impact aquatic vegetation. Some decrease in algae from improved flow and slight increase in submergent vegetation with clearer water	Stream aquatic growth will be the same as existing condition with excessive algae growth and limited submergent vegetation	Project will not significantly impact aquatic vegetation. Some decrease in algae from improved flow and slight increase in submergent vegetation with clearer water
<b>Animal</b>				
Inadequate Cover/Shelter for Stream Fisheries	Limited fish cover and shelter is provided by downed trees and other debris in and by overhanging canopy	Debris will be removed and result in less instream cover and reduced shading from overhangs, but adequate amounts will remain	Fish cover and shelter will remain the same. Water quality and quantity will remain the most limiting factors for fisheries	Debris will be removed and result in less instream cover and reduced shading from overhanging cover, but adequate amounts will remain
Inadequate Cover/Shelter for Wildlife along Stream Corridor	Limited riparian forest buffers exist in undeveloped segments of the stream channel. Buffers and travel corridors are limited	Slight reduction in cover on work side of channel where some trees will be removed for access. No impact in the areas already devoid of cover	Limited riparian forest buffers will remain along stream channel.	Slight reduction in cover on excavated side of channel where some trees and cover will be removed for access. Removed debris will provide habitat.
<b>Other</b>				
Aesthetics	Interspersed trees and natural areas in proximity to homes results in attractive landscape except for impacts of tree and property damage	Access will reduce the amount of forest cover on excavated side of channel in forested segments, but will not have a noticeable impact on the overall visual aspects	The landscape will remain the same except for any changes that may be caused by flooding	Access will reduce the amount of forest cover on both sides of channel in forested segments, but will not have a noticeable impact on the overall urban environment.
<b>Mosquito and Insect Vectors</b>	There are pools of stagnant water that provide habitat for mosquitoes.	The number of stagnant pools providing habitat for mosquito will be reduced.	Stagnant pools providing habitat for mosquitoes will remain the same or increase.	The number of stagnant pools providing habitat for mosquito will be reduced.

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Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA Jurisdiction	CWA permit needed	Continued loss of resources due to debris	CWA permit needed
Coastal Zone Management Areas	<i>Project is located within Coastal Mgmt. Zone</i>	<i>CUP required</i>	N/A	<i>CUP required</i>
Coral Reefs	no coral reefs in project area	N/A	N/A	N/A
Cultural Resources	(FOTG) none observed on-site. State level review needed	(FOTG) none observed on-site. State level review needed	(FOTG) none observed on-site. State level review needed	(FOTG) none observed on-site. State level review needed
Endangered and Threatened Species	(FOTG) (Federal/State lists) none observed on-site	(FOTG) (Federal/State lists) none observed on-site	(FOTG) (Federal/State lists) none observed on-site	(FOTG) (Federal/State lists) none observed on-site
Environmental Justice	Disproportionate impact on different income levels	Disproportionate impact on different income levels	Disproportionate impact on different income levels	Disproportionate impact on different income levels
Essential Fish Habitat	(FOTG) No EFH. NMFS notification needed	FOTG) No EFH. NMFS notification needed	FOTG) No EFH. NMFS notification needed	FOTG) No EFH. NMFS notification needed
Fish and Wildlife Coordination	State level review by project type with USFWS&LDWF Permit process	State level review by project type with USFWS&LDWF Permit process	State level review by project type with USFWS&LDWF Permit process	State level review by project type with USFWS&LDWF Permit process
Floodplain Management	Project is in 100 year floodplain	100-year floodplain function restored by improved hydrology	100-year floodplain function is impaired due to decreased channel capacity	100-year floodplain function restored by improved hydrology
Invasive Species	Chinese Tallow Tree Salvinia	Chinese Tallow Tree Salvinia	Chinese Tallow Tree Salvinia	Chinese Tallow Tree Salvinia
Migratory Birds	Food&cover quality reduced by accumulation of storm debris	Food &cover quality improved by removal of storm debris wading bird habitat increased	Food&cover quality reduced by accumulation of storm debris	Food &cover quality improved by removal of storm debris wading bird habitat increased
Natural Areas	(FOTG) None present	N/A	N/A	N/A
Prime and Unique Farmlands	(FOTG) None present	N/A	N/A	N/A
Riparian Areas	2.5 acres of riparian habitat impacted by flooding due to debris accumulation	2.5 acres if riparian habitat improved by debris removal	2.5 acres of riparian habitat impacted by flooding due to debris accumulation	2.5 acres if riparian habitat improved by debris removal
Scenic Beauty	<i>Excess debris reduces easthetic value</i>	<i>Restore potential for easthetic beauty</i>	<i>Excess debris reduces easthetic value</i>	<i>Restore potential for improved easthetics</i>
Wetlands	Open water containing debris. Emergent/wooded wetlands also littered with debris.	Debris removed from open water and adjacent to stream. Wetlands not adversely impacted.	Open water containing debris. Emergent/wooded wetlands also littered with debris.	Debris removed from open water and adjacent to stream. Wetlands not adversely impact
Wild and Scenic Rivers	(FOTG) (LDWF scenic streams list) Not within scenic stream list	N/A	N/A	N/A

Completed By: Michael Nichols

Date: 09/13/2005



**Section 2F Economic**

**This section must be completed by each alternative considered (attach additional sheets as necessary).**

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private) See attached doc.	<b>\$5,700,000</b>	<b>.10</b>	<b>\$570,000</b>
<b>75 residences @ \$75,000</b>			
<b>One business</b>	<b>\$100,000</b>	<b>.10</b>	<b>\$10,000</b>
Properties Protected (Public)	<b>\$3,000,000</b>	<b>.10</b>	<b>\$300,000</b>
Business Losses			
Other			
Total Near Term Damage Reduction \$			<b>\$880,000</b>
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			<b>\$806,990</b>

Completed By: Michael Perry

Date: 10/21/05

**Section 2G Social Consideration This section must be completed by each alternative considered****(attach additional sheets as necessary).**

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there the potential for loss of life due to damages from the watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Possibility of drowning due to high water in streets.
Has access to a hospital or medical facility been impaired by watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If another event occurs, severe flooding is inevitable.
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Impairment increased flooding impacts throughout the community
Is there a lack or has there been a reduction of public safety due to watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire, police and health care providers could not access community.

Completed By: MN, MT, WM Date: 10/10/2005

DSR NO: \_\_\_\_\_

**Section 2H Group Representation and Disability Information**

**This section is completed only for the preferred alternative selected.**

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	2
Asian Male Hispanic	7
Asian Male Non-Hispanic	
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	152
White Male Hispanic	
White Male Non-Hispanic	100
Total Group	261

Census tract(s) \_\_\_\_\_ 6057, 6043, 6026, 6028, 6004, 6032, and 6038

Completed By: MDP  Date: 10/21/2005 \_\_\_\_\_

THE INFORMATION OBTAINED IN THIS SECTION WAS OBTAINED FROM CENSUS TRACT DATA LOCATED ON THE LOUISIANA CENSUS DATA WEB SITE. INFORMATION FROM TRACTS 6057, 6043, 6026, 6028, 6004, 6032, AND 6038 WERE USED BECAUSE THEY COMPOSE THE PROJECT PROPOSAL SITE.

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Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Prairie Gregg Drainage District is responsible for easements, permits, and permissions.

CWA permit

Water Quality permit

SHPPO

Mitigation Description:

Work from one side of channel when removing debris

Debris will be disposed of off-site in LADEQ-approved landfill

Work will be continuous to reduce disturbances to wildlife

Established access routes will be used whenever possible

Agencies, persons, and references consulted, or to be consulted:

Emile Thibodaux, Prairie Gregg DD, 3378981829

USACOE

USFWS

LDWF

SHPO

LADHH

LADNR

LADEQ

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**Section 3 Engineering Cost Estimate**

Completed By: Wendall Meaux

Date: 10/10/2005

**This section must be completed by each alternative considered (attach additional sheets as necessary).**

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost (\$)	Amount (\$)
Debris Removal				0.00
Mobilization & Demobilization	1	LS	8,000.00	8,000.00
Channel Obstruction Removal	12,076	LF	5.29	63,902.17
Seeding, Sprigging and Mulching	6	AC	200.00	1,108.80
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
Total Installation Cost (Enter in Section 1F)\$				73,010.97

Unit Abbreviations:

AC	Acre	LS	Lump Sum
CY	Cubic Yard	SF	Square Feet
EA	Each	SY	Square Yard
HR	Hour	TN	Ton
LF	Linear Feet		Other (Specify)

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#### Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		1e
2. Is this a site where there is serious, but not immediate threat to human life?	<input type="checkbox"/>	<input type="checkbox"/>		
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	<input type="checkbox"/>	<input type="checkbox"/>		
4. Is this site a funding priority established by the NRCS Chief?	<input type="checkbox"/>	<input type="checkbox"/>		
<b>The following are modifiers for the above criteria</b>			<b>Modifier</b>	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?				
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			e	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

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### Section 5A Findings

**Finding:** Indicate the preferred alternative from Section 2 (Enter to Section 1E):

*I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:*

- ☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
- Chapter 5.2.2.1.2  
Chapter \_\_\_\_\_  
Chapter \_\_\_\_\_  
Chapter \_\_\_\_\_  
Chapter \_\_\_\_\_

\_\_\_\_\_ May require the preparation of an environmental assessment or environmental impact statement.  
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: \_\_\_\_\_

Date: 10/10/2005

**Section 5B Comments:**

**Section 5C**

**Sponsor Concurrence:**

**Sponsor Representative**

Title: \_\_\_\_\_

Date: \_\_\_\_\_

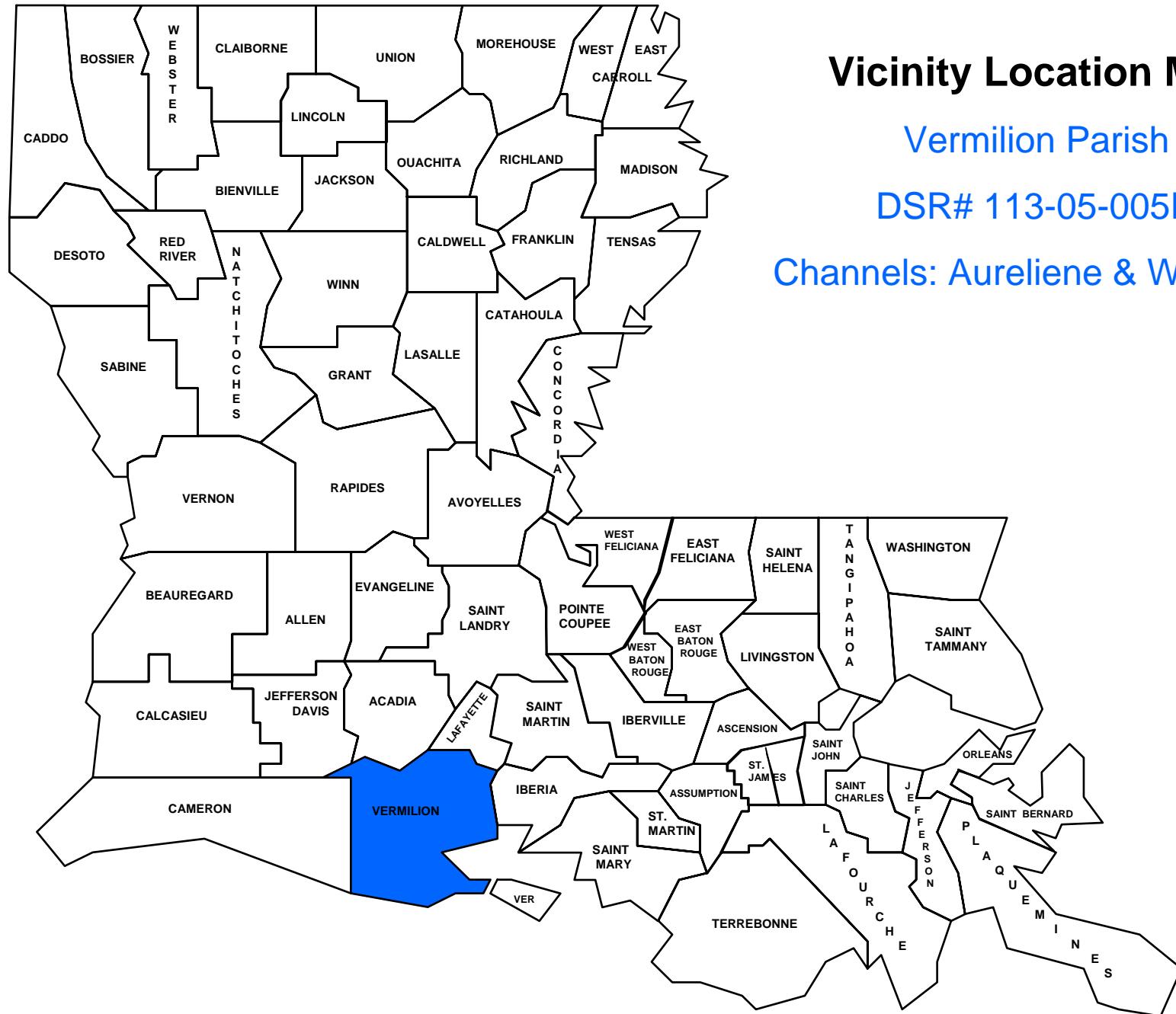
**Section 6 Attachments:**

- A. Location Map  
B. Site Plan or Sketches  
C. Other (explain)

## SECTION 6

### ATTACHMENTS





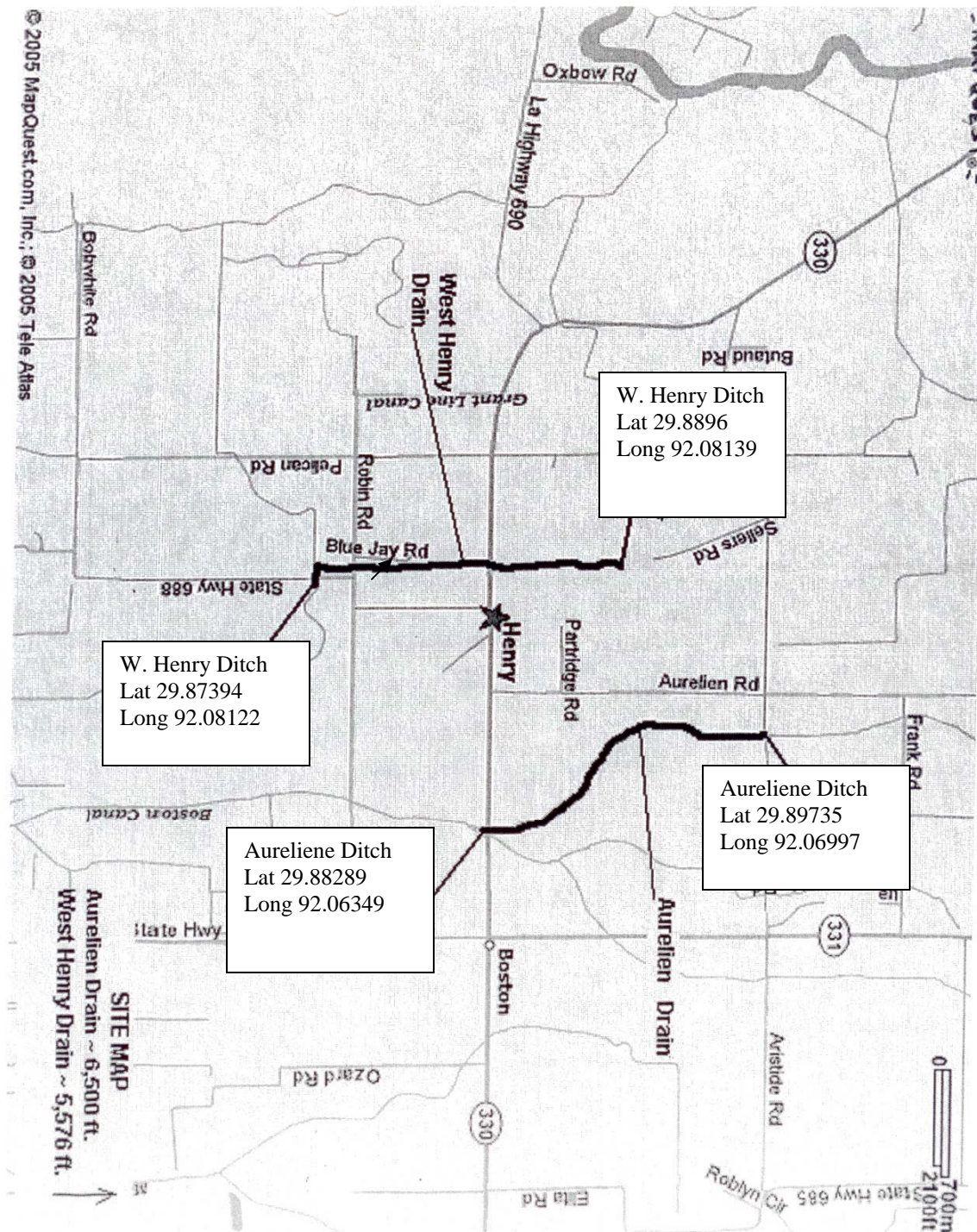
## Vicinity Location Map

Vermilion Parish

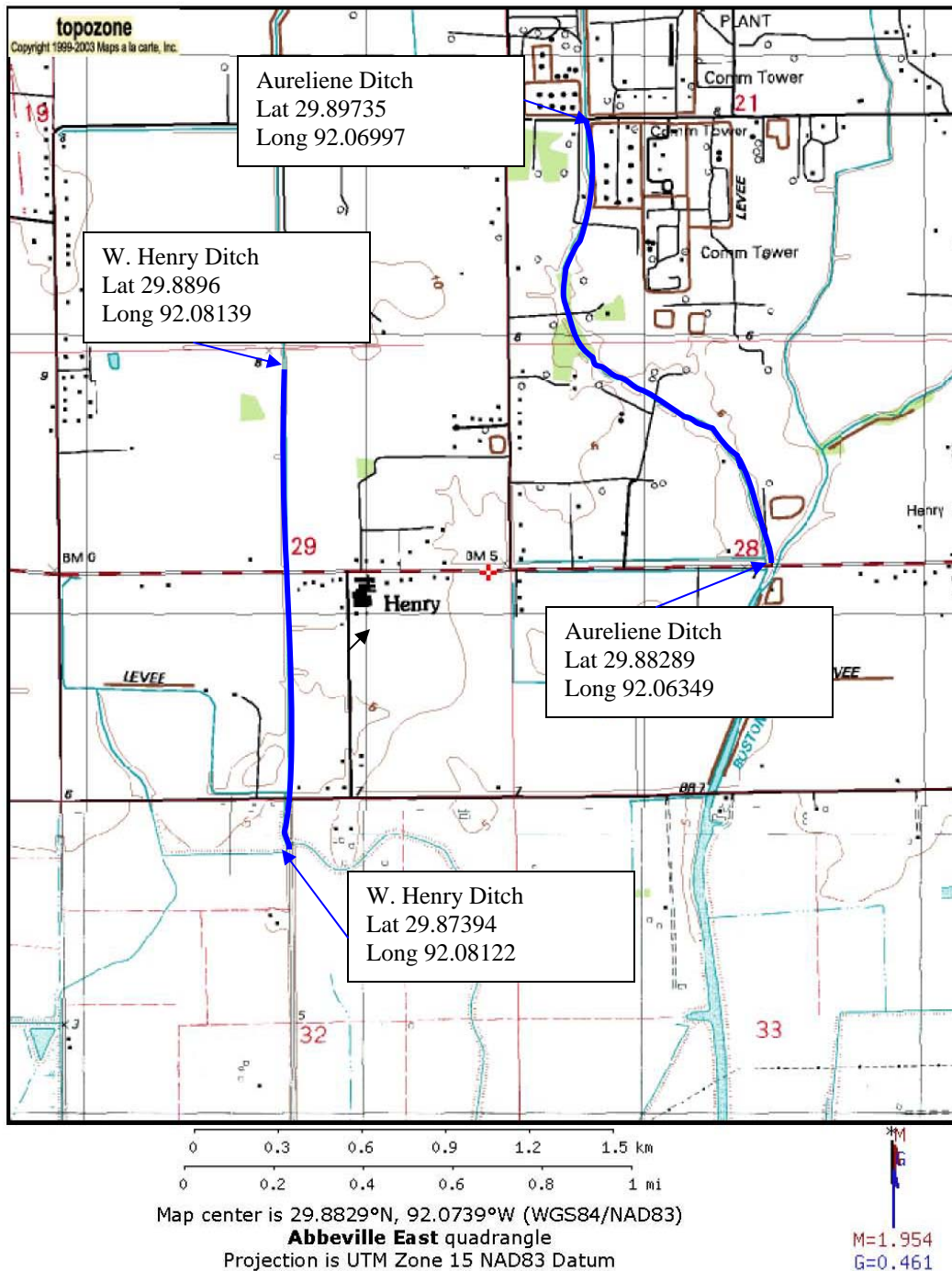
DSR# 113-05-005R

Channels: Aureliene & W. Henry

TOPO MAP  
DSR 113-05-005R  
Channels: Aureliene & W. Henry  
Vermilion Parish  
Estimated Reach Length 12,076 LF

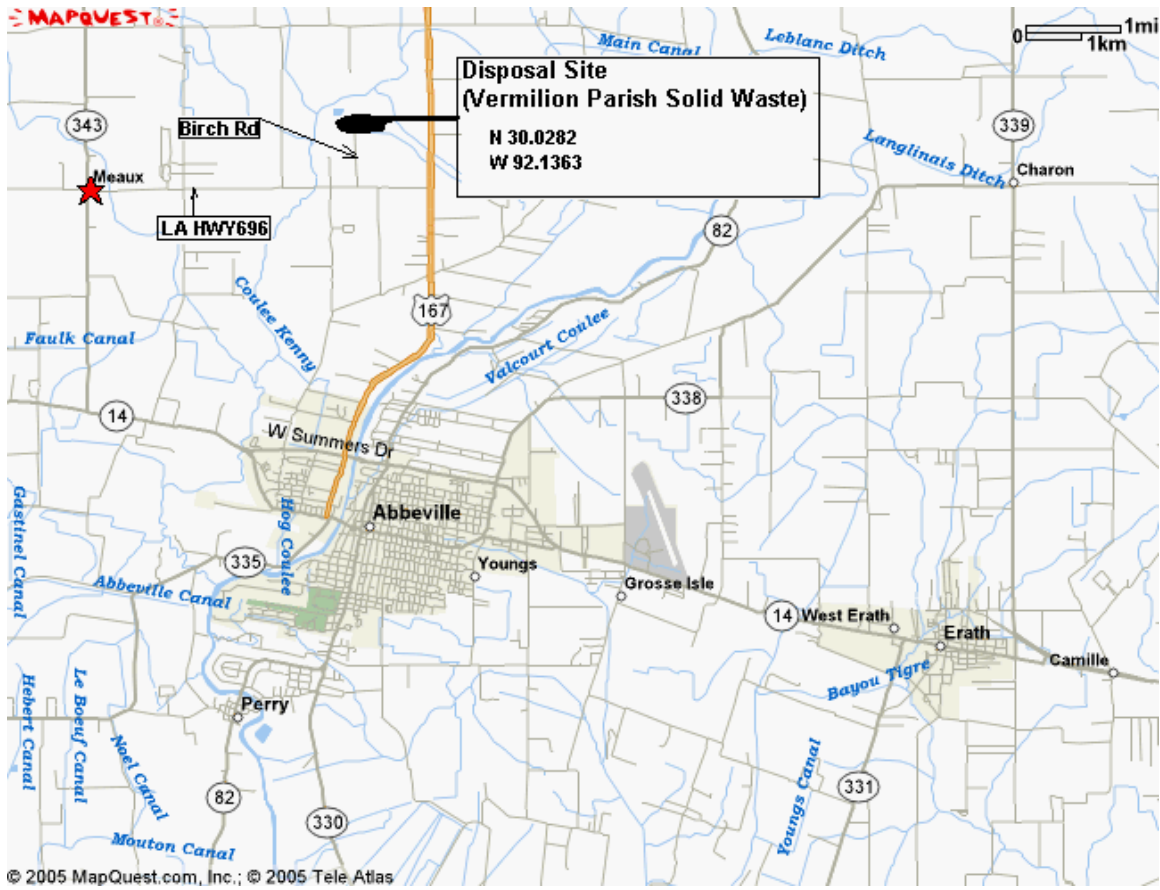


TOPO MAP  
DSR 113-05-005R  
Channels: Aureliene & W. Henry  
Vermilion Parish  
Estimated Reach Length 12,076 LF

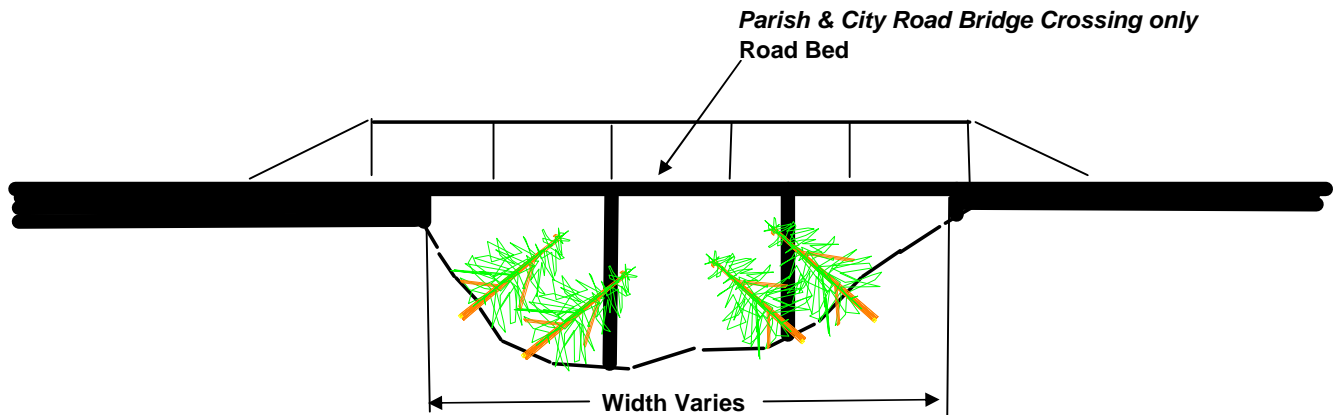




DISPOSAL SITE LOCATOIN  
DSR 113-05-005R  
Channels: Aureliene & W. Henry  
Vermilion Parish



## Debris Removal



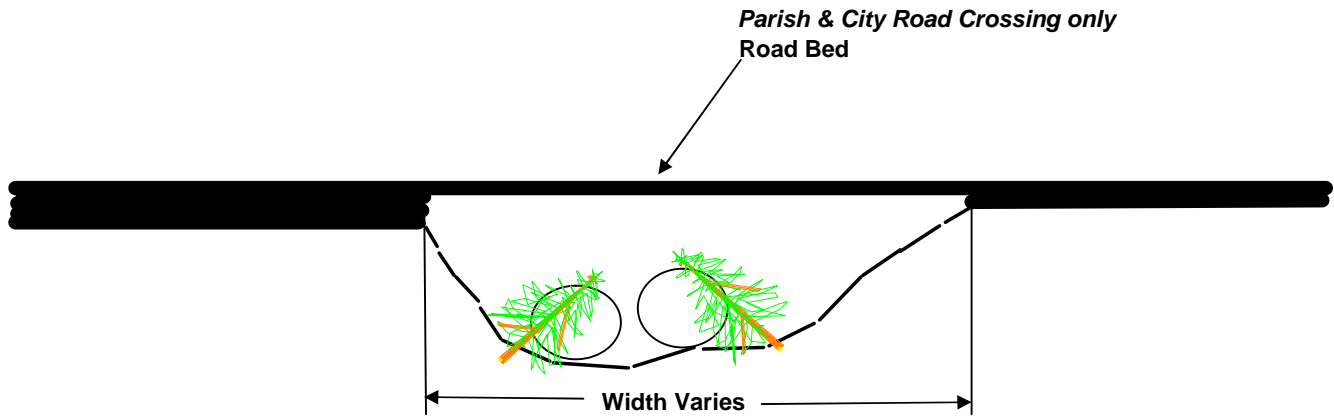
**Note:** Contract is to remove Debris from upstream and downstream Bridge which includes underside of bridge

**Exception:** All Crossing which cross State or Federal highways are not included in contract

## Typical Road Bridge Crossing Not to Scale

Notice:  
48 Hours Before Digging  
Call 1-800-272-3020

## Debris Removal



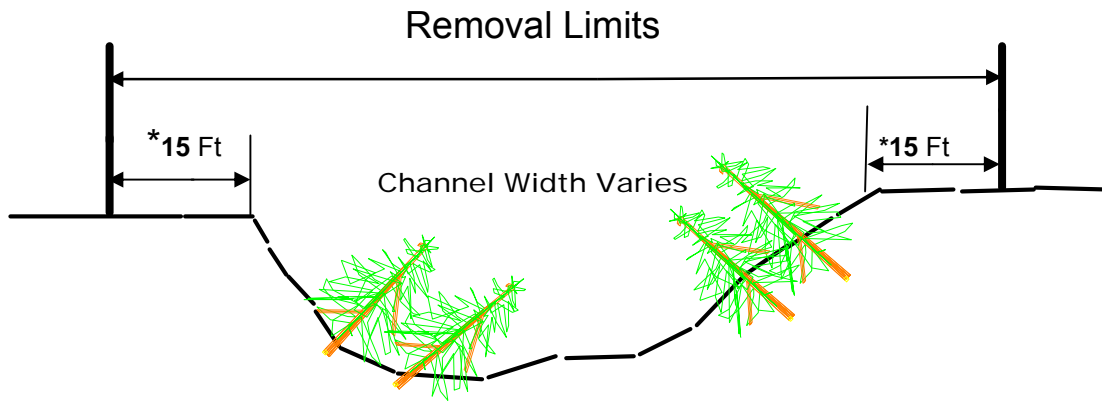
**Note:** Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts

**Exception:** All Crossing which cross State or Federal highways are not included in contract

## Typical Road Culvert type Crossing Not to Scale

Notice:  
48 Hours Before Digging  
Call 1-800-272-3020

## Debris Removal



Typical Section Not to Scale

Notice:  
48 Hours Before Digging  
Call 1-800-272-3020

**\*Note:** Rights of way on both sides; however work to be performed on one side only in any reach as concurred in by COTR.

**Exception** it may be possible that trees which were located outside of the the right of way may have fallen into the right of way, these trees will be removed which may be located outside of the work limits.

DSR No: 113-05-05R

Selected Alternative

Vermilion Parish  
Prairie Gregg D Dist.  
W Henry/Aurelien Drain

Section 3 Engineering Cost Estimate Worksheet

Completed By: Wendall J Meaux

Date: 7-Oct-05

Type of Work:

Debris Removal

Shaded cells require information input

Location of Work:

Township(s)

Range(s)

Section(s)

Quadrangle(s)

13S

4E

28,29,32

Abbeville East

W. Henry

Aureliene

Latitude Longitude

Latitude Longitude

Downstream Start:

29.88289 92.06349

29.87394

92.08122

Upstream End:

29.89735 92.06997

29.08139

92.08139

Estimated Length of Work Segment (ft):

12,076 Total

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	\$8,000.00	\$8,000
2	Channel Obstruction Removal/Excavation	12,076	LF	\$5.29	\$63,902
3	Seeding, Sprigging and Mulching	6	AC	\$200.00	\$1,109
4					\$0
5					\$0

Note: Estimated cost of debris removal includes labor and hauling of material to landfill.

Total Estimated Construction Cost

\$73,011

Performance Time:

Production Rate

Segment Length

Production Time

Contract Time

1200 Ft/Day

12,076 Ft

10 Days

10 Days

Estimated Cost of Equipment with Labor

[Link to Table 1 on Page 2]

Cost per Hour

Cost per Day(10hrs)

Contract Time

Total Cost

Cost per LF

\$ 635.00

\$6,350.00

10 Days

\$63,902

\$5.29

Estimated Cost of Seeding with Labor

[Link to Table 2 on Page 2]

Segment Length

Segment Width

No. of Segment

Acres

Cost per Ac

Total Cost

12,076 Ft.

20 Ft.

1

6

\$200

\$1,109

Comments:

W. Henry Drain @ ~5576 ft.

Aurelien Drain @ ~6500 ft.



### SUPPORTING DATA

**TABLE 1**

Equipment	Rate per Hour	Quantity	Cost per Hour
Skidder	\$ 80.00	0	\$ -
Dozer w/ operator (Sml)	\$ 50.00	1	\$ 50.00
Dozer w/operator (Lg)	\$ 85.00	0	\$ -
Excavator w/ operator	\$ 120.00	1	\$ 120.00
Dump Truck (14yd)	\$ 70.00	4	\$ 280.00
Dump Truck (20yd)	\$ 125.00	0	\$ -
Supervisor	\$ 35.00	1	\$ 35.00
Chain Saw w/ Operator	\$ 20.00	4	\$ 80.00
Hookman	\$ 9.00	0	\$ -
Labor General	\$ 9.00	0	\$ -
*Optional Work	\$ 50.00		\$ -
Bobcat w/Grapple & Operator	\$ 70.00	1	\$ 70.00

\$ 635.00 Cost/Hr  
\$ 6,350.00 Cost/Day @ 10hrs/day

\*Includes providing access road on both sides of channel and removal of debris from both sides of channel.

**TABLE 2**

#### Seeding, Sprigging and Mulching

Item	Cost per Ac
Materials	\$100
Labor	\$100
Total	\$200

**TABLE 3**

Channel Crossings  
Type

Location

Impact

DSR No: 113-05-05R

### Section 3 Engineering Cost Estimate Alternative

**Completed By:** Wendall J Meaux

**Date:** October 7, 2005

This Section must be completed by each alternative considered (attach additional sheets as necessary)

[illegible]

<b>Unit Abbreviations:</b>			
<b>AC</b>	Acre	<b>LS</b>	Lump Sum
<b>CY</b>	Cubic yard	<b>SF</b>	Square Feet
<b>EA</b>	Each	<b>SY</b>	Square yard
<b>HR</b>	Hour	<b>TN</b>	Ton
<b>LF</b>	Linear Feet	<b>Other</b>	(Specify)

DSR No: 113-05-05R

Alternative

Vermilion Parish  
Prairie Gregg D Dist.  
W Henry/Aurelien Drain

## Section 3 Engineering Cost Estimate Worksheet

Completed By: Wendall J Meaux

Date: 7-Oct-05

Type of Work: Debris Removal

Shaded cells require information input

## Location of Work:

Township(s)  
13S

Range(s)  
4E

Section(s)  
28,29,32

Quadrangle(s)  
Abbeville East

W. Henry

Aureliene

	Latitude	Longitude	Latitude	Longitude
Downstream Start:	29.88289	92.06349	29.87394	92.08122
Upstream End:	29.89735	92.06997	29.08139	92.08139

Estimated Length of Work Segment (ft): 12,076 Total

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	\$8,000.00	\$8,000
2	Channel Obstruction Removal/Excavation	12,076	LF	\$6.54	\$78,997
3	Seeding, Sprigging and Mulching	11	AC	\$200.00	\$2,218
4					\$0
5					\$0

Note: Estimated cost of debris removal includes labor and hauling of material to landfill.

Total Estimated Construction Cost \$89,215

## Performance Time:

Production Rate  
1200 Ft/Day

Segment Length  
12,076 Ft

Production Time  
10 Days

Contract Time  
10 Days

Estimated Cost of Equipment with Labor [\[Link to Table 1 on Page 2\]](#)

Cost per Hour	Cost per Day(10hrs)	Contract Time	Total Cost	Cost per LF
\$ 785.00	\$7,850.00	10 Days	\$78,997	\$6.54

Estimated Cost of Seeding with Labor [\[Link to Table 2 on Page 2\]](#)

Segment Length	Segment Width	No.of Segment	Acres	Cost per Ac	Total Cost
12,076 Ft.	40 Ft.	1	11.09	\$200	2,218

## Comments:

W. Henry Drain @ ~5576 ft.  
Aurelien Drain @ ~6500 ft.

### SUPPORTING DATA

**TABLE 1**

Equipment	Rate per Hour	Quantity	Cost per Hour
Skidder	\$ 80.00	0	\$ -
Dozer w/ operator (Sml)	\$ 50.00	1	\$ 50.00
Dozer w/operator (Lg)	\$ 85.00	0	\$ -
Excavator w/ operator	\$ 120.00	1	\$ 120.00
Dump Truck (14yd)	\$ 70.00	4	\$ 280.00
Dump Truck (20yd)	\$ 125.00	0	\$ -
Supervisor	\$ 35.00	1	\$ 35.00
Chain Saw w/ Operator	\$ 20.00	8	\$ 160.00
Hookman	\$ 9.00	0	\$ -
Labor General	\$ 9.00	0	\$ -
*Optional Work	\$ 50.00		\$ -
Bobcat w/Grapple & Operator	\$ 70.00	2	\$ 140.00

\$ 785.00 Cost/Hr  
\$ 7,850.00 Cost/Day @ 10hrs/day

\*Includes providing access road on both sides of channel and removal of debris from both sides of channel.

**TABLE 2**

#### Seeding, Sprigging and Mulching

Item	Cost per Ac
Materials	\$100
Labor	\$100
Total	\$200

**TABLE 3**

#### Channel Crossings

*Type*

*Location*

*Impact*

MICHAEL PERRY  
10/21/05

**BASED ON MY KNOWLEDGE AND EXPERIENCE OF COMPARIBLE SALES AND REPLACEMENT COST OF SIMILAR HOMES, I ASSIGNED AN AVERAGE VALUE OF \$75,000 TO THE 76 HOMES IN THIS PROJECT AREA. THE NUMBER OF HIGHER VALUED HOMES AND LOWER VALUED HOMES ARE EQUAL. THE HOMES IN THIS AREA THAT WILL BE AFFECTED BY THIS EWP ACTION RANGE IN VALUE FROM \$100,000 ON THE HIGHER END TO \$50,000 ON THE LOWER END. REPLACEMENT COST VALUES WERE SUPPORTED BY THE MARSHALL AND SWIFT HANDBOOK. ALL THOUGH REPLACEMENT VALUES ON THESE HOMES IS HIGHER THAN THE MARKET DATA COMPARABLES, I CHOSE TO KEY IN ON THE MARKET DATA APPROACH IN ARRIVING AT THE FINALE STIMATED VALUE. RELIABLE SALES DATA IS AVAILABLE AND ADEQUATE TO SUPPORT THE MARKET DATA APPROACH. THE VALUE OF THE ONE BUSINESS AND THE ONE PUBLIC FACILITY WAS OBTAINED BY KEYING IN ON THE MARSHALL AND SWIFT HANDBOOK FOR REPLACEMENT COST. THERE IS NO RELIABLE SALES DATA AVAILABLE FOR PROPERTIES OF THIS TYPE. ALL DEPRECIATION AND NECESSARY DEDUCTIONS WERE MADE TO ARRIVE AT THE FINAL VALUE. THESE VALUES REPRESENT THE STRUCTURE VALUE ONLY, BECAUSE IT IS MY OPINION THIS BUSINESS COULD RELOCATE AND FUNCTION IN THE EVENT OF ANOTHER DISASTER.**

*Site visit completed on 10/01/2005*

#### **ORENTIAUS**

**APPRAISAL APPROVAL AUTHORITY FOR SINGLE FAMILY HOUSING, MULTIFAMILYHOUSING, AND AGRICULTURAL PROPERTIES RECEIVED OCTOBER 1986**

**Completed over 800 single family housing appraisals, 150 open tract farmland appraisals, and numerous multifamily housing appraisal while employed by the USDA-farmers Home Administration, later known as USDA-Rural Development.**

**Attended and completed the USDA Appraisal Training Course in Oklahoma City, Oklahoma. Received certification after completing and passing the 160 hour course.**